

## WHAT IS CLAIMED IS:

1. An electronic device capable of counting down to an integral time point, comprising:

5        an input unit for operating the electronic device;  
      an integral time point selector for setting an integral time point;

      a timer for recording a current time;

      a synchronous calculating unit for reading the integral time point from the integral time point selector and reading the current time from the timer to determine the time interval from the current time to the integral time point for being used as a counting down time period; and

15        a counter for performing a counting down operation based on the counting down time period from the synchronous calculating unit.

20        2. The electronic device as claimed in claim 1, further comprising an output unit for displaying the current time of the electronic device and a remaining time in performing the counting down operation, and informing an end of counting down.

      3. The electronic device as claimed in claim 1, wherein the integral time point selector has at least one integral time point for being selected.

25        4. The electronic device as claimed in claim 3, wherein the integral time point selector has an integral hour, an integral half hour, and an integral quarter for being selected.

      5. The electronic device as claimed in claim 1, wherein the

integral time point is settable in the integral time point selector.

6. The electronic device as claimed in claim 1, wherein the counter reads the counting down time period from the synchronous calculating unit to start to count down and generate a message for notifying the user at the end of counting.

7. The electronic device as claimed in claim 2, wherein the message is a voice from an electronic buzzer.

8. The electronic device as claimed in claim 2, wherein the message is flashing light.

9. The electronic device as claimed in claim 1, further comprises a quartz oscillator for providing a basic synchronous clock to the timer and the counter.

10. The electronic device as claimed in claim 1, wherein the integral time point selector includes a buffer for buffering the set integral time points.